

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:)	
)	
Calumet Steel Company)	NOTICE OF VIOLATION
Chicago, Illinois)	
)	EPA-5-99-IL-27
)	
Proceedings Pursuant to)	
Section 113(a)(1) of the)	
Clean Air Act,)	
42 U.S.C. § 7413(a)(1))	

NOTICE OF VIOLATION

The Administrator of the United States Environmental Protection Agency (U.S. EPA), by authority duly delegated to the undersigned, is issuing this Notice of Violation pursuant to Section 113(a)(1) of the Clean Air Act. U.S. EPA hereby notifies the State of Illinois and Calumet Steel Company (Calumet) that U.S. EPA finds that Calumet, located at 311 East 11th Street, Chicago Heights, Illinois, is in violation of the Illinois State Implementation Plan (SIP), as follows:

Statutory and Regulatory Background

1. On February 21, 1980, U.S. EPA approved 35 Illinois Administrative Code (IAC) § 212.322 as part of the federally enforceable SIP for the State of Illinois. 45 Fed. Reg. 11493.
2. On September 3, 1981, U.S. EPA approved 35 Illinois Administrative Code (IAC) § 212.448 (Electric Arc Furnaces) as part of the federally enforceable SIP for the State of Illinois. 46 Fed. Reg. 44172.

3. 35 IAC § 212.322 provides a one hour particulate mass emission rate limitation for process emission units for which construction or modification commenced prior to April 14, 1972, according to the following equation:

$$E = (55.0) (P^{0.11}) - 40$$

Where E = allowable emission rate in pounds per hour (lb/hr)
P = process weight rate in tons per hour (Tph).

Factual Background

4. Calumet is a corporation, incorporated in the State of Delaware and registered to do business in the State of Illinois.
5. Calumet owns and operates a mini-steel mill located at 317 East 11th Street, Chicago Heights, Illinois.
6. Calumet's mini-steel mill includes a melt shop and cast house which emit particulate matter.
7. Calumet's melt shop and cast house were constructed before April 14, 1972.
8. Particulate emissions from Calumet's melt shop and cast house are ducted to a baghouse.
9. Particulate Matter is an Air Pollutant.
10. Particulate emissions from Calumet's melt shop, cast house, and associated baghouse are subject to the particulate mass emission limit set forth in the Illinois SIP at 35 IAC § 212.322.
11. U.S. EPA issued a Request for Information Pursuant to the Clean Air Act (Section 114 Request) to Calumet on November 19, 1998, requiring Calumet to, among other things, sample emissions from the melt shop/cast house baghouse.
12. On March 7, 1999, Calumet conducted stack testing to measure particulate emissions at the melt shop/cast house baghouse, pursuant to the Section 114 Request.

Findings of Violation

13. Particulate emission testing conducted at Calumet on March 7, 1999, demonstrates that Calumet violated 35 IAC § 212.322, as summarized below:

Particulate Emission Rate Limitations
For Process Emission Units

ALLOWABLE RATE

42.46 lb/hr

ACTUAL EMISSION RATE

92.97 lb/hr

6/11/99
Date


Margaret M. Guerriero, (Acting Director
Air and Radiation Division

CERTIFICATE OF MAILING

I, Betty J. Williams, certify that I sent a Notice of Violation, issued pursuant to the Clean Air Act, by Certified Mail, Return Receipt Requested, to:

William J. Klein, President
Calumet Steel Company
317 East 11th Street
Chicago Heights, Illinois 60411

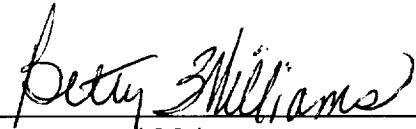
I also certify that I sent copies of the Notice of Violation by first class mail to:

John R. Dado, Plant Engineer
Calumet Steel Company
317 East 11th Street
Chicago Heights, Illinois 60411

David Kolaz, Chief
Compliance and Systems Management Section
Bureau of Air
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62702

Harish Narayan, Acting Regional Manager
Illinois Environmental Protection Agency
Chicago Regional Office
1701 South First Avenue - Suite 1202
Maywood, Illinois 60153

on the 14th day of June, 1999.


Betty Williams, Secretary
AECAS, (IL/IN)

CERTIFIED MAIL RECEIPT NUMBER: P140 779 134